

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/808,052C  
Source: 1Fw/6  
Date Processed by STIC: 5/22/06

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IFW16

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/808,052C

TIME: 12:32:20

Input Set : A:\Sequence Listing 18989-033.txt

Output Set: N:\CRF4\05222006\J808052C.raw

3 <110> APPLICANT: Blumberg, Richard  
 5 <120> TITLE OF INVENTION: Methods of Inhibiting Inflammation  
 7 <130> FILE REFERENCE: 18989-033  
 9 <140> CURRENT APPLICATION NUMBER: 10/808,052C  
 10 <141> CURRENT FILING DATE: 2004-03-24  
 12 <150> PRIOR APPLICATION NUMBER: 60/457,048  
 13 <151> PRIOR FILING DATE: 2003-03-24  
 15 <160> NUMBER OF SEQ ID NOS: 16  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 21  
 21 <212> TYPE: RNA  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial Sequence:chemically  
 synthesized siRNA  
 28 <400> SEQUENCE: 1  
 29 aagcucugga acuaccaacg a 21  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 21  
 34 <212> TYPE: RNA  
 35 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Description of Artificial Sequence:chemically  
 synthesized siRNA  
 41 <400> SEQUENCE: 2  
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 45 <210> SEQ ID NO: 3  
 46 <211> LENGTH: 3392  
 47 <212> TYPE: DNA  
 48 <213> ORGANISM: Homo sapiens  
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 52 gatgcagttg aggattgtc gtcaatatga ttcttcttgc tgtgttttt ctctgcttca 120  
 53 tttcctcata ttccatgttgc gttaaagggtc acacaactgg tctctcatta aataatgacc 180  
 54 ggctgtacaa gctcacgtac tccactgaag ttcttcttgc tcggggcaaa ggaaaactgc 240  
 55 aagacagcgt gggctaccgc atttcctcca acgtggatgt ggccttacta tggaggaatc 300  
 56 ctgatggtga ttagtggaccag ttatccaaa taacgtgaa ggatgttaat gttggaaatg 360  
 57 tgaatcagca gagaggagag aagagcatct tcaaaggaaa aagcccattt aaaataatgg 420  
 58 gaaaggaaaa ctttggaaatgt ctgcaaaagac ctacgctcct tcataatc catggaaagg 480  
 59 tcaaagatgt ctactcatat caaaatgagg cagtggccat agaaaatatc aagagaggtc 540  
 60 tggcttagcct atttcagaca cagttaagct ctggaaaccac caatgaggta gatatctctg 600  
 61 gaaattgtaa agtgacctac caggctcatc aagacaaaatg gatcaaaatt aaggccttgg 660

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DATE: 05/22/2006  
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62 attcatgaa aatagcgagg tctggattt caagccaaa tcaggtctg ggtgtcagtt 720
63 caaaaagctac atctgtcacc acctataaga tagaaagacag ctttgtata gctgtgctt 780
64 ctgaagaaac acacaatttt ggactgaatt tcctacaaac cattaagggg aaaatagtat 840
65 cgaagcagaa attagagctg aagacaaccg aagcaggccc aagattgtg tctgaaagc 900
66 aggctgcagc cataatcaa gcagttgatt caaagtacac ggccattccc attgtgggc 960
67 aggtcttcca gagccactgt aaaggatgtc cttctcttc ggagctctgg cggtccacca 1020
68 ggaaataacct gcagcctgac aacccttcca aggctgaggc tgcagaaac ttccaggcct 1080
69 tcattcagca cctcaggact gcaagaaaag aagagatcct tcaaatacta aagatggaaa 1140
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71 tagaagccat ttggacttt ttggatttca aaagtgcacag cagcattatc ctccaggaga 1260
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76 tgtatctgtc ggctttaag aatgcctgc ttccagaagg catcccaagt cttctgaagt 1560
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102 ctatgtttt ttaaaaaacaa aaataaaaaac aaaaccacac aaggagaacc caattttgtt 3120
103 tcaacaattt ttgcatttgcata tataatgcact tcttgcataat gcatgcggg 3180
104 aaaaacaaac acgttccctt atcaggaaaa aaaaaaaaaa aaaaatgtaa gacacaaaca 3240
105 aaccattttt ttctttttt ttggatgttgg gggcccaggc agaaggagaca aggttttaaa 3300
106 aagacttggt agccaaacttc aagaatataat atttatgtct ctgttattgt tagtttaag 3360
107 ccttaaggta gaaggcacat agaaataaca tc 3392
110 <210> SEQ ID NO: 4
111 <211> LENGTH: 894
112 <212> TYPE: PRT

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PATENT APPLICATION: US/10/808,052C

DATE: 05/22/2006  
TIME: 12:32:20

Input Set : A:\Sequence Listing 18989-033.txt  
Output Set: N:\CRF4\05222006\J808052C.raw

113 <213> ORGANISM: Homo sapiens  
 115 <400> SEQUENCE: 4  
 116 Met Ile Leu Leu Ala Val Leu Phe Leu Cys Phe Ile Ser Ser Tyr Ser  
 117 1 5 10 15  
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 120 20 25 30  
 122 Leu Tyr Lys Leu Thr Tyr Ser Thr Glu Val Leu Leu Asp Arg Gly Lys  
 123 35 40 45  
 125 Gly Lys Leu Gln Asp Ser Val Gly Tyr Arg Ile Ser Ser Asn Val Asp  
 126 50 55 60  
 128 Val Ala Leu Leu Trp Arg Asn Pro Asp Gly Asp Asp Asp Gln Leu Ile  
 129 65 70 75 80  
 131 Gln Ile Thr Met Lys Asp Val Asn Val Glu Asn Val Asn Gln Gln Arg  
 132 85 90 95  
 134 Gly Glu Lys Ser Ile Phe Lys Gly Lys Ser Pro Ser Lys Ile Met Gly  
 135 100 105 110  
 137 Lys Glu Asn Leu Glu Ala Leu Gln Arg Pro Thr Leu Leu His Leu Ile  
 138 115 120 125  
 140 His Gly Lys Val Lys Glu Phe Tyr Ser Tyr Gln Asn Glu Ala Val Ala  
 141 130 135 140  
 143 Ile Glu Asn Ile Lys Arg Gly Leu Ala Ser Leu Phe Gln Thr Gln Leu  
 144 145 150 155 160  
 146 Ser Ser Gly Thr Thr Asn Glu Val Asp Ile Ser Gly Asn Cys Lys Val  
 147 165 170 175  
 149 Thr Tyr Gln Ala His Gln Asp Lys Val Ile Lys Ile Lys Ala Leu Asp  
 150 180 185 190  
 152 Ser Cys Lys Ile Ala Arg Ser Gly Phe Thr Thr Pro Asn Gln Val Leu  
 153 195 200 205  
 155 Gly Val Ser Ser Lys Ala Thr Ser Val Thr Thr Tyr Lys Ile Glu Asp  
 156 210 215 220  
 158 Ser Phe Val Ile Ala Val Leu Ala Glu Glu Thr His Asn Phe Gly Leu  
 159 225 230 235 240  
 161 Asn Phe Leu Gln Thr Ile Lys Gly Lys Ile Val Ser Lys Gln Lys Leu  
 162 245 250 255  
 164 Glu Leu Lys Thr Thr Glu Ala Gly Pro Arg Leu Met Ser Gly Lys Gln  
 165 260 265 270  
 167 Ala Ala Ala Ile Ile Lys Ala Val Asp Ser Lys Tyr Thr Ala Ile Pro  
 168 275 280 285  
 170 Ile Val Gly Gln Val Phe Gln Ser His Cys Lys Gly Cys Pro Ser Leu  
 171 290 295 300  
 173 Ser Glu Leu Trp Arg Ser Thr Arg Lys Tyr Leu Gln Pro Asp Asn Leu  
 174 305 310 315 320  
 176 Ser Lys Ala Glu Ala Val Arg Asn Phe Leu Ala Phe Ile Gln His Leu  
 177 325 330 335  
 179 Arg Thr Ala Lys Lys Glu Glu Ile Leu Gln Ile Leu Lys Met Glu Asn  
 180 340 345 350  
 182 Lys Glu Val Leu Pro Gln Leu Val Asp Ala Val Thr Ser Ala Gln Thr  
 183 355 360 365  
 185 Ser Asp Ser Leu Glu Ala Ile Leu Asp Phe Leu Asp Phe Lys Ser Asp

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/808,052C

DATE: 05/22/2006  
TIME: 12:32:20

Input Set : A:\Sequence Listing 18989-033.txt  
Output Set: N:\CRF4\05222006\J808052C.raw

186	370	375	380
188	Ser Ser Ile Ile Leu Gln Glu Arg Phe Leu Tyr Ala Cys Gly Phe Ala		
189	385	390	395 400
191	Ser His Pro Asn Glu Glu Leu Leu Arg Ala Leu Ile Ser Lys Phe Lys		
192	405	410	415
194	Gly Ser Ile Gly Ser Ser Asp Ile Arg Glu Thr Val Met Ile Ile Thr		
195	420	425	430
197	Gly Thr Leu Val Arg Lys Leu Cys Gln Asn Glu Gly Cys Lys Leu Lys		
198	435	440	445
200	Ala Val Val Glu Ala Lys Lys Leu Ile Leu Gly Gly Leu Glu Lys Ala		
201	450	455	460
203	Glu Lys Lys Glu Asp Thr Arg Met Tyr Leu Leu Ala Leu Lys Asn Ala		
204	465	470	475 480
206	Leu Leu Pro Glu Gly Ile Pro Ser Leu Leu Lys Tyr Ala Glu Ala Gly		
207	485	490	495
209	Glu Gly Pro Ile Ser His Leu Ala Thr Thr Ala Leu Gln Arg Tyr Asp		
210	500	505	510
212	Leu Pro Phe Ile Thr Asp Glu Val Lys Lys Thr Leu Asn Arg Ile Tyr		
213	515	520	525
215	His Gln Asn Arg Lys Val His Glu Lys Thr Val Arg Thr Ala Ala Ala		
216	530	535	540
218	Ala Ile Ile Leu Asn Asn Asn Pro Ser Tyr Met Asp Val Lys Asn Ile		
219	545	550	555 560
221	Leu Leu Ser Ile Gly Glu Leu Pro Gln Glu Met Asn Lys Tyr Met Leu		
222	565	570	575
224	Ala Ile Val Gln Asp Ile Leu Arg Leu Glu Met Pro Ala Ser Lys Ile		
225	580	585	590
227	Val Arg Arg Val Leu Lys Glu Met Val Ala His Asn Tyr Asp Arg Phe		
228	595	600	605
230	Ser Arg Ser Gly Ser Ser Ala Tyr Thr Gly Tyr Ile Glu Arg Ser		
231	610	615	620
233	Pro Arg Ser Ala Ser Thr Tyr Ser Leu Asp Ile Leu Tyr Ser Gly Ser		
234	625	630	635 640
236	Gly Ile Leu Arg Arg Ser Asn Leu Asn Ile Phe Gln Tyr Ile Gly Lys		
237	645	650	655
239	Ala Gly Leu His Gly Ser Gln Val Val Ile Glu Ala Gln Gly Leu Glu		
240	660	665	670
242	Ala Leu Ile Ala Ala Thr Pro Asp Glu Gly Glu Asn Leu Asp Ser		
243	675	680	685
245	Tyr Ala Gly Met Ser Ala Ile Leu Phe Asp Val Gln Leu Arg Pro Val		
246	690	695	700
248	Thr Phe Phe Asn Gly Tyr Ser Asp Leu Met Ser Lys Met Leu Ser Ala		
249	705	710	715 720
251	Ser Gly Asp Pro Ile Ser Val Val Lys Gly Leu Ile Leu Leu Ile Asp		
252	725	730	735
254	His Ser Gln Glu Leu Gln Leu Gln Ser Gly Leu Lys Ala Asn Ile Glu		
255	740	745	750
257	Val Gln Gly Gly Leu Ala Ile Asp Ile Ser Gly Ala Met Glu Phe Ser		
258	755	760	765

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PATENT APPLICATION: US/10/808,052C

DATE: 05/22/2006  
TIME: 12:32:20

Input Set : A:\Sequence Listing 18989-033.txt  
Output Set: N:\CRF4\05222006\J808052C.raw

260 Leu Trp Tyr Arg Glu Ser Lys Thr Arg Val Lys Asn Arg Val Thr Val  
261 770 775 780  
263 Val Ile Thr Thr Asp Ile Thr Val Asp Ser Ser Phe Val Lys Ala Gly  
264 785 790 795 800  
266 Leu Glu Thr Ser Thr Glu Thr Glu Ala Gly Leu Glu Phe Ile Ser Thr  
267 805 810 815  
269 Val Gln Phe Ser Gln Tyr Pro Phe Leu Val Cys Met Gln Met Asp Lys  
270 820 825 830  
272 Asp Glu Ala Pro Phe Arg Gln Phe Glu Lys Lys Tyr Glu Arg Leu Ser  
273 835 840 845  
275 Thr Gly Arg Gly Tyr Val Ser Gln Lys Arg Lys Glu Ser Val Leu Ala  
276 850 855 860  
278 Gly Cys Glu Phe Pro Leu His Gln Glu Asn Ser Glu Met Cys Lys Val  
279 865 870 875 880  
281 Val Phe Ala Pro Gln Pro Asp Ser Thr Ser Ser Gly Trp Phe  
282 885 890  
285 <210> SEQ ID NO: 5  
286 <211> LENGTH: 2878  
287 <212> TYPE: DNA  
288 <213> ORGANISM: Mus musculus  
290 <400> SEQUENCE: 5

291 ctggatgtgg cagaggggc cagcatgatc ctcttggcag tgcttttct ctgcttc 60  
292 tcctcctact ctgcttcgt taaaggtcac acaactggcc tctcattaaa taatgagcg 120  
293 ctataacaagc tcacgtactc cactgaagtg tttcttgatg gggcaaaagg aaaaccgcaa 180  
294 gacagcgtgg gctacaaaat ctcatctgtat gtggacgttg tgtaactgtg gaggaatcct 240  
295 gatggtgatg atgatcaagt gatccaagtc acgataaacag ctgttaacgt taaaaatgcg 300  
296 ggtcaacaga gaggcgagaa gagcatcttc cagggcaaaa gtacacctaa gatcataggg 360  
297 aaggacaacc tggaggctct gcagagaccc atgcttcttc atctggtccc gggaaaggtc 420  
298 aaggagttct actccttatga aaacgagccca gtgggcatag aaaatctcaa gagaggctt 480  
299 gctagcttat tccagatgca gctaagctt ggaactacca acgaggtaga tatctctggg 540  
300 gattgtaaag tgacctacca gccccaaacaa gacaaaagtgg tcaaaaattaa ggctctggat 600  
301 acatgcaaaa ttgagcggtc tggatttaca acggcaaacc aggtgctggg cgtcagttca 660  
302 aaagccacat ctgtcaactac ctacaagata gaggacagct ttgtcaccgc tgtgcttgca 720  
303 gaagagacca gggctttgc cttgaacttc caacaaacca tagcaggaaa aatagtgtca 780  
304 aagcagaaat tggagctgaa gacaactgaa gccggccaa ggatgatccc cggaagcaa 840  
305 gtggcaggtg taattaaagc agttgattcc aaatacaaag ccattcccat tgtggacag 900  
306 gtcctcgagc gtgtctgcaa aggatgcct tctctggcg agcactggaa gtccatcaga 960  
307 aagaacctgg agcctgaaaa cctgtccaaag gccgaggctg tccagagctt cctggccttc 1020  
308 atccagcacc tccggacttc gaggagagaa gagatccttc agattctgaa ggcagagaag 1080  
309 aaagaagtgc tccctcagct ggtggatgcc gtcacactctg ctcagactcc agactcgcta 1140  
310 gaagccatcc tggactttt ggatttcaaa agtgcacagca gtatcatact ccaggaaagg 1200  
311 ttcctctatg cctgtggctt tgccacccac cctgatgaag aactcctacg agccctc 1260  
312 agtaagttca aagttcctt tgcaagcaac gacatcagag agtcggttat gatcatcatt 1320  
313 ggagccctag tcaggaagct gtgtcagaat gaaggctgca agctcaaggc agtggtgaa 1380  
314 gctaagaagc tgatcctggg aggacttgaa aaaccagaga agaaaagaaga caccacaatg 1440  
315 tacctgctgg ccctgaagaa tgccttgctt cccgaaggca tcccgcctt tctgaagtat 1500  
316 gctgaggctg gagaagggcc cgtcagccac ctggccacca ctgttctcca gagatacgat 1560  
317 gtctccttca tcacagatga ggtgaagaag accttgaaca ggatatacca ccagaatcgt 1620  
318 aagttcatg agaagacggt gcgcacaact gccgctgctg tcatcttaaa gaacccatcc 1680

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/22/2006  
PATENT APPLICATION: US/10/808,052C                    TIME: 12:32:21

Input Set : A:\Sequence Listing 18989-033.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 14,16,27,31,36,43,47,50,52,53,69,76,80,94,120,122,129,170  
Seq#:11; Xaa Pos. 176,179,196,199,202,203,225,232,240,242,247,259,260  
Seq#:12; Xaa Pos. 33,35,46,50,55,62,66,69,71,72,101,108,112,128,169,171,178  
Seq#:12; Xaa Pos. 214,220,223,240,253,268,269,291,298,306,308,321,333,334  
Seq#:13; Xaa Pos. 6,16,17,46,48,51,54,55,63,69,81,84,89,95,97,105,108,133  
Seq#:13; Xaa Pos. 140,142,149,155,162,163,174,176,177,180,191,193,198,202  
Seq#:14; Xaa Pos. 35,41,52,57,58,59,70,72,77,81,82,97,104,108,109,118,126  
Seq#:14; Xaa Pos. 128,131,149,157,166,186,189,195,200,210,219,222,240,252  
Seq#:14; Xaa Pos. 253,261,273,274,275,297  
Seq#:15; Xaa Pos. 57,67,68,97,99,102,105,106,116,122,149,152,157,163,165  
Seq#:15; Xaa Pos. 173,176,207,214,216,223;229,239,240,251,253,254,257,268  
Seq#:15; Xaa Pos. 270,275,287  
Seq#:16; Xaa Pos. 43,49,60,65,66,67,78,80,85,89,90,105,112,116,117,126,134  
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## VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/808,052C

TIME: 12:32:21

Input Set : A:\Sequence Listing 18989-033.txt  
Output Set: N:\CRF4\05222006\J808052C.raw

L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
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L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32  
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:48  
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:64  
L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:80  
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:112  
L:603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:128  
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:160  
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:176  
L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:192  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:224  
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240  
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:256  
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:32  
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:48  
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:64  
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L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:208  
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L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16  
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L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:64  
L:732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:80  
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:96  
L:741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:128  
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:144  
L:747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:160  
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:176  
L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:192  
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:32  
L:780 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:48  
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:64  
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:80  
L:789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:96  
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:112  
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:128  
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:144

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/808,052C

DATE: 05/22/2006

TIME: 12:32:21

Input Set : A:\Sequence Listing 18989-033.txt  
Output Set: N:\CRF4\05222006\J808052C.raw

L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:160  
L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:176  
L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:192  
L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:208  
L:813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:224  
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:240  
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:256  
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:272  
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:288  
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:48  
L:852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:64  
L:858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:96  
L:861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:112  
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:144  
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:160  
L:876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:192  
L:879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:208  
L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:224  
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:240  
L:888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:256  
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:272  
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:32  
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:48  
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:64  
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:80  
L:933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:96  
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:112  
L:939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:128  
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:144  
L:945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:160  
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:192  
L:957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:224  
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:256  
L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:272  
L:969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:288  
L:972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:304